

Appendix table 3-14

**Employed S&E highest degree holders, by race/ethnicity and field of degree: 2008**

(Percent)

Highest degree field	Total	Asian		American Indian/Alaska Native		Black		Hispanic		White		Native Hawaiian/Other Pacific Islander		Two or more races	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All S&E degrees	10,216,000	1,303,000	12.8	39,000	0.4	539,000	5.3	602,000	5.9	7,493,000	73.3	49,000	0.5	190,000	1.9
Computer and mathematical sciences	1,651,000	336,000	20.4	8,000	0.5	98,000	5.9	73,000	4.4	1,107,000	67.0	7,000	0.4	22,000	1.3
Computer and information sciences	1,159,000	273,000	23.6	8,000	0.7	71,000	6.2	59,000	5.1	725,000	62.6	5,000	0.5	17,000	1.5
Computer and information sciences	205,000	45,000	22.2	2,000	0.8	15,000	7.5	10,000	4.9	129,000	63.1	S	S	3,000	1.5
Computer science	651,000	178,000	27.4	3,000	0.5	31,000	4.7	27,000	4.2	400,000	61.5	2,000	0.3	9,000	1.4
Computer systems analysis	35,000	5,000	13.9	S	S	1,000	3.7	4,000	12.5	23,000	66.3	S	S	S	S
Information services and systems	191,000	34,000	17.9	S	S	19,000	9.9	11,000	5.8	121,000	63.2	S	S	2,000	1.2
Other computer and information sciences	77,000	10,000	13.5	S	S	5,000	6.6	7,000	8.8	51,000	66.5	S	S	2,000	2.1
Mathematics and statistics	492,000	63,000	12.8	<500	0.1	26,000	5.4	13,000	2.7	382,000	77.6	2,000	0.4	5,000	1.0
Applied mathematics	92,000	12,000	13.4	S	S	6,000	6.9	1,000	1.1	70,000	76.4	S	S	1,000	0.6
Mathematics, general	289,000	25,000	8.7	<500	0.1	17,000	5.9	9,000	3.2	234,000	80.8	S	S	3,000	1.2
Operations research	29,000	6,000	19.3	S	S	1,000	4.1	1,000	4.1	21,000	70.6	S	S	S	S
Statistics	50,000	17,000	32.8	S	S	2,000	3.1	1,000	2.1	31,000	60.6	S	S	1,000	1.2
Other mathematics	32,000	4,000	11.2	S	S	<500	1.4	1,000	2.6	27,000	84.7	S	S	<500	0.1
Biological, agricultural, and environmental life sciences	1,569,000	158,000	10.1	7,000	0.4	62,000	4.0	87,000	5.5	1,224,000	78.0	7,000	0.4	25,000	1.6
Agricultural and food sciences	266,000	15,000	5.8	2,000	0.6	6,000	2.1	11,000	4.1	227,000	85.2	1,000	0.4	5,000	1.8
Animal sciences	110,000	3,000	2.7	S	S	1,000	1.3	4,000	3.3	101,000	91.9	S	S	1,000	0.6
Food sciences and technology	32,000	6,000	18.5	S	S	2,000	6.1	1,000	3.2	22,000	69.8	S	S	<500	0.5
Plant sciences	75,000	3,000	3.6	S	S	2,000	2.6	5,000	6.4	63,000	85.1	S	S	2,000	2.3
Other agricultural sciences	49,000	4,000	7.8	1,000	3.0	<500	0.7	2,000	3.2	40,000	80.5	S	S	S	S
Biological sciences	1,125,000	135,000	12.0	4,000	0.3	54,000	4.8	71,000	6.3	840,000	74.7	5,000	0.5	16,000	1.4
Biochemistry and biophysics	101,000	23,000	23.0	S	S	1,000	1.4	3,000	3.2	71,000	70.0	<500	0.2	2,000	2.2
Biology, general	507,000	42,000	8.3	1,000	0.3	38,000	7.4	38,000	7.6	377,000	74.4	4,000	0.8	6,000	1.3
Botany	26,000	3,000	11.8	S	S	1,000	2.5	<500	1.4	21,000	80.9	S	S	1,000	2.4
Cell and molecular biology	60,000	12,000	20.4	S	S	<500	0.7	2,000	3.9	43,000	71.2	<500	0.1	2,000	3.6
Ecology	57,000	3,000	4.7	S	S	1,000	1.8	5,000	9.5	47,000	83.3	S	S	<500	0.5
Genetics, animal and plant	18,000	2,000	13.0	S	S	1,000	5.6	1,000	4.0	13,000	75.5	S	S	<500	1.7
Microbiological sciences and immunology	92,000	12,000	13.3	1,000	1.5	6,000	7.0	8,000	8.5	62,000	67.9	S	S	1,000	1.2
Nutritional sciences	36,000	6,000	16.4	S	S	1,000	3.4	1,000	3.3	27,000	75.6	S	S	S	S
Pharmacology, human and animal	20,000	5,000	26.6	S	S	1,000	5.7	1,000	3.2	12,000	64.0	S	S	S	S
Physiology and pathology, human and animal	43,000	6,000	14.6	S	S	<500	0.9	3,000	6.0	33,000	76.7	S	S	1,000	1.8
Zoology, general	64,000	5,000	7.3	S	S	<500	0.7	2,000	3.7	56,000	87.3	S	S	<500	0.4
Other biological sciences	103,000	16,000	15.3	<500	0.4	2,000	1.7	6,000	5.5	77,000	75.2	1,000	0.6	1,000	1.4
Environmental life sciences	178,000	7,000	4.0	1,000	0.7	3,000	1.7	5,000	3.0	158,000	88.5	S	S	4,000	2.1
Environmental science or studies	111,000	5,000	4.9	1,000	0.9	2,000	2.1	3,000	2.7	96,000	87.2	S	S	2,000	2.2
Forestry sciences	67,000	2,000	2.4	S	S	1,000	1.1	2,000	3.5	61,000	90.7	S	S	1,000	1.9
Physical sciences	665,000	94,000	14.2	2,000	0.3	19,000	2.9	31,000	4.6	507,000	76.2	2,000	0.3	10,000	1.5
Chemistry, except biochemistry	306,000	56,000	18.3	1,000	0.5	11,000	3.5	16,000	5.1	216,000	70.5	1,000	0.2	6,000	1.9
Earth, atmospheric, and ocean sciences	168,000	7,000	4.3	<500	0.2	1,000	0.6	6,000	3.4	151,000	89.9	1,000	0.3	2,000	1.1

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(Percent)

Highest degree field	Total	Asian		American Indian/Alaska Native		Black		Hispanic		White		Native Hawaiian/Other Pacific Islander		Two or more races	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Atmospheric sciences and meteorology	22,000	2,000	8.1	S	S	<500	1.5	<500	2.1	19,000	87.4	S	S	<500	0.8
Earth sciences	17,000	<500	1.3	S	S	<500	0.3	1,000	3.8	16,000	91.4	S	S	<500	2.5
Geology	99,000	3,000	2.7	<500	0.3	1,000	0.6	4,000	3.8	90,000	91.5	S	S	1,000	0.8
Geological sciences, other	21,000	2,000	10.7	S	S	<500	0.3	<500	2.3	18,000	84.4	S	S	<500	1.9
Oceanography	10,000	<500	3.7	S	S	<500	0.4	1,000	5.0	9,000	89.3	S	S	<500	0.3
Physics and astronomy	150,000	29,000	19.3	<500	0.3	4,000	2.7	6,000	3.7	109,000	72.8	<500	0.0	2,000	1.2
Astronomy and astrophysics	10,000	1,000	13.8	S	S	<500	0.6	<500	1.9	8,000	80.3	S	S	<500	3.2
Physics	141,000	28,000	19.7	<500	0.3	4,000	2.9	5,000	3.8	102,000	72.2	S	S	1,000	1.0
Other physical sciences	40,000	2,000	4.4	S	S	4,000	9.1	4,000	9.3	30,000	75.5	S	S	<500	0.7
Social sciences	3,878,000	243,000	6.3	16,000	0.4	284,000	7.3	267,000	6.9	2,952,000	76.1	19,000	0.5	95,000	2.5
Economics	580,000	86,000	14.8	<500	0.1	20,000	3.5	29,000	5.0	431,000	74.2	4,000	0.7	9,000	1.6
Agricultural economics	88,000	3,000	3.3	S	S	1,000	1.0	4,000	4.9	77,000	87.8	S	S	1,000	0.8
Economics	493,000	83,000	16.9	S	S	20,000	4.0	25,000	5.0	354,000	71.8	2,000	0.5	9,000	1.8
Political and related sciences	705,000	42,000	5.9	2,000	0.2	54,000	7.7	43,000	6.1	545,000	77.2	2,000	0.2	18,000	2.6
Public policy studies	49,000	3,000	5.9	S	S	3,000	6.6	4,000	8.6	37,000	76.6	S	S	<500	0.8
International relations	110,000	12,000	11.3	S	S	4,000	4.0	8,000	7.6	81,000	73.6	S	S	4,000	3.3
Political science and government	547,000	26,000	4.8	1,000	0.2	47,000	8.5	31,000	5.6	427,000	78.0	2,000	0.3	14,000	2.6
Psychology	1,414,000	55,000	3.9	6,000	0.4	111,000	7.8	109,000	7.7	1,094,000	77.4	8,000	0.5	32,000	2.2
Educational psychology	96,000	4,000	4.1	S	S	9,000	9.8	9,000	9.4	72,000	74.5	S	S	2,000	1.8
Clinical psychology	119,000	5,000	4.3	<500	0.1	5,000	4.3	10,000	8.1	96,000	80.6	<500	0.1	3,000	2.5
Counseling psychology	244,000	6,000	2.3	1,000	0.4	18,000	7.4	14,000	5.7	199,000	81.5	1,000	0.5	5,000	2.2
Experimental psychology	33,000	2,000	5.8	S	S	S	S	1,000	2.1	29,000	88.1	S	S	1,000	2.1
General psychology	712,000	30,000	4.2	2,000	0.2	60,000	8.5	61,000	8.6	537,000	75.4	5,000	0.8	17,000	2.3
Industrial/organizational psychology	42,000	3,000	6.6	S	S	3,000	6.5	5,000	10.8	30,000	70.2	S	S	1,000	2.3
Social psychology	35,000	3,000	7.3	S	S	4,000	10.5	3,000	7.7	25,000	70.7	S	S	1,000	3.7
Other psychology	132,000	4,000	2.7	2,000	1.4	11,000	8.3	7,000	5.6	106,000	80.5	S	S	2,000	1.3
Sociology and anthropology	763,000	36,000	4.7	5,000	0.7	66,000	8.7	54,000	7.1	572,000	74.9	4,000	0.5	26,000	3.4
Anthropology and archaeology	125,000	5,000	4.4	<500	0.4	2,000	2.0	11,000	8.9	95,000	76.3	S	S	9,000	7.1
Criminology	68,000	5,000	6.9	S	S	7,000	9.8	8,000	12.1	45,000	67.1	S	S	2,000	2.6
Sociology	571,000	26,000	4.5	4,000	0.7	57,000	10.0	35,000	6.2	431,000	75.5	2,000	0.3	15,000	2.6
Other social sciences	416,000	25,000	5.9	3,000	0.7	33,000	7.8	32,000	7.7	312,000	75.0	2,000	0.4	10,000	2.4
Area and ethnic studies	95,000	12,000	12.6	2,000	2.2	8,000	8.3	10,000	10.8	58,000	60.9	S	S	4,000	4.4
Linguistics	29,000	2,000	7.5	S	S	1,000	1.8	3,000	9.4	23,000	78.9	S	S	1,000	2.4
Philosophy of science	17,000	S	S	S	S	S	S	S	0.9	15,000	92.6	S	S	S	S
Geography	109,000	2,000	2.3	<500	0.3	2,000	1.5	7,000	6.1	95,000	87.4	S	S	2,000	2.1
History of science	18,000	S	S	S	S	S	S	S	1.3	15,000	82.4	S	S	S	S
Other social sciences	149,000	8,000	5.3	S	S	19,000	12.8	12,000	8.0	106,000	71.2	1,000	0.6	3,000	1.7
Engineering	2,453,000	472,000	19.2	6,000	0.2	75,000	3.1	145,000	5.9	1,703,000	69.4	14,000	0.6	39,000	1.6

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(Percent)

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Aerospace, aeronautical, and astronautical engineering	81,000	7,000	8.8	1,000	0.7	2,000	2.6	5,000	6.3	63,000	77.4	1,000	1.6	2,000	2.7
Agricultural engineering	23,000	3,000	14.0	S	S	<500	0.4	1,000	3.6	19,000	81.1	S	S	S	S
Bioengineering and biomedical engineering	34,000	10,000	30.5	S	S	1,000	2.6	3,000	8.3	18,000	55.0	<500	1.1	1,000	2.3
Chemical engineering	165,000	34,000	20.6	2,000	0.9	5,000	2.8	9,000	5.2	113,000	68.6	S	S	3,000	1.6
Civil and architectural engineering	397,000	52,000	13.2	1,000	0.3	12,000	2.9	30,000	7.5	291,000	73.3	2,000	0.5	8,000	2.1
Architectural engineering	37,000	2,000	6.7	S	S	2,000	6.2	3,000	6.9	29,000	76.5	S	S	S	S
Civil engineering	360,000	50,000	13.9	1,000	0.3	9,000	2.6	27,000	7.6	263,000	73.0	2,000	0.6	7,000	2.0
Electrical and computer engineering	808,000	226,000	28.0	1,000	0.1	31,000	3.8	47,000	5.8	483,000	59.8	7,000	0.8	13,000	1.7
Computer and systems engineering	175,000	56,000	32.2	S	S	5,000	2.8	11,000	6.3	97,000	55.6	S	S	5,000	2.8
Electrical, electronics, and communications engineering	633,000	170,000	26.8	<500	0.1	26,000	4.1	36,000	5.6	386,000	61.0	7,000	1.0	9,000	1.3
Engineering sciences, mechanics, and physics	34,000	6,000	18.0	S	S	1,000	4.3	1,000	4.3	25,000	71.9	S	S	S	S
Environmental engineering	44,000	4,000	9.2	S	S	1,000	2.9	2,000	5.6	36,000	81.6	S	S	S	S
Engineering, general	41,000	4,000	9.8	S	S	1,000	2.1	2,000	5.7	33,000	80.9	S	S	S	S
Geophysical and geological engineering	4,000	1,000	17.1	S	S	S	S	S	S	3,000	69.4	S	S	S	S
Industrial and manufacturing engineering	139,000	23,000	16.4	S	S	7,000	5.0	13,000	9.1	95,000	68.2	<500	0.3	1,000	0.9
Materials engineering, including ceramics and textiles	43,000	13,000	31.4	S	S	1,000	1.4	1,000	2.7	27,000	63.3	S	S	<500	0.9
Mechanical engineering	500,000	70,000	14.1	1,000	0.2	12,000	2.4	23,000	4.6	385,000	77.0	2,000	0.3	7,000	1.4
Metallurgical engineering	17,000	2,000	10.8	S	S	S	S	1,000	5.6	14,000	82.5	S	S	S	S
Mining and minerals engineering	13,000	1,000	7.6	S	S	S	S	S	S	12,000	89.3	S	S	S	S
Naval architecture and marine engineering	12,000	S	S	S	S	S	S	S	S	11,000	91.2	S	S	S	S
Nuclear engineering	13,000	1,000	10.1	S	S	S	S	1,000	4.5	11,000	83.4	S	S	S	S
Petroleum engineering	17,000	3,000	17.5	S	S	S	S	2,000	10.5	12,000	69.2	S	S	S	S
Other engineering	66,000	9,000	13.2	S	S	1,000	1.9	4,000	5.7	51,000	77.6	S	S	1,000	1.0

S = suppressed for reasons of confidentiality and/or reliability

NOTES: Total includes professional degrees not broken out separately. Detail may not add to total because of rounding. Numbers rounded to the nearest 1,000. Percentages based on unrounded numbers.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2008), <http://sestat.nsf.gov>.*Science and Engineering Indicators 2012*